3-WIRE EXPLOSION PROOF TRANSMITTER

Gas Detection For Life — **VOC Pro**



Features

- **PID sensor options**
  —10.0 eV lamp / 11.7 eV / 10.6 eV ppb / 10.6 eV ppm
- **Wired power (3-Wire), 12 to 35 VDC operating voltage**
- **Operating temperature range -40°C to +60°C**
- **Graphical LCD with LED backlight**
- **3 Push-button interface (ADD, MENU, SUB) with corresponding magnetic, non-intrusive switches**
- **2 Individually configurable alarms**
- **2 Front panel LED indicators (amber and red)**
- **2 Optional fully programmable alarm relays (dry contacts)**
- **Output options: 4-20mA (3-wire) analog, RS-485 modbus (4 wire)**
- **1-Year warranty (see specifications)**

Industry Applications

- **Petrochemical plants, Refineries**
- **Water & wastewater treatment plants**
- **Pulp & paper mills**
- **Manufacturing facilities**
- **Chemical plants**

The VOC Pro Series Gas Detector is a versatile assembly that uses a PID sensor to detect a variety of gases. Wired power (12 to 35 VDC) with 4-20 mA analog and RS-485 Modbus outputs are standard. Magnetic switches allow for non-intrusive calibration while in the field as well as full system settings and diagnostics.

Ranges	Part # Suffix	PID Lamps			
		10.0 eV	11.7 eV	10.6 eV low ppm	10.6 eV ppm
Part # Base		66-6195-XX	66-6194-XX	66-6192-XX	66-6193-XX
0 - 10.00 ppm	-01	▪	▪	▪	
0 - 20.00 ppm	-02	▪	▪	▪	
0 - 50.00 ppm	-05	▪	▪	▪	
0 - 100 ppm	-10	▪	▪		▪
0 - 200 ppm	-20				▪
0 - 500 ppm	-50		▪		▪
0 - 1000 ppm	-1K		▪		▪
0 - 2000 ppm	-2K				▪

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VOC Pro

Product Specifications		
Sensor Type		PID
Operating Voltage		Wired power (3-Wire) 12 to 35 VDC
Power Draw		2 Watts maximum
Protection		Power electromagnetic interference (EMI) filter 4-20 mA surge suppression RS-485 surge suppression
Display Screen		102x64 Resolution graphical LCD screen transflective (sunlight readable) with white LED backlight
Interface		3 Push-buttons (MENU, ADD and SUB) 3 Magnetic non-intrusive switches for calibration
Customizable Settings		2 Individual-configurable alarm LED/relay set-points
Temperature Range		-40°C to +60°C (-40°F to +130°F)
Output (digital)		RS-485 modbus
Wired (Analog) Output		4-20 mA (3-Wire) Fault terminal Optional 2 dry-contact relays with replaceable 4 amp fuses
Remote Sensor Kit (Optional Additional Feature)		Remote sensor kit with enclosure (5 pin) • PID sensor max. length: 35 feet
Product Dimensions		5.5 in, L x 6 in. W x 7 in. H (8 in. W x 17 in. H Max. dimensions with attachments)
Total Weight		6 lbs.
Hazardous Location Approvals	Main Enclosure	Certified explosion / flame proof $_{C}$QPS$_{US}$ Class I, Division 1 & 2, Groups B, C & D, Nema 3, 4, 4X, 7 (B, C, D) 9 (E, F, G) Temp.= -20°C to +60°C
	Sensor Housing	Certified explosion / flame proof $_{C}$QPS$_{US}$ Class I, Division 1 & 2, Groups B, C & D Temp.= -40°C to +60°C
Controllers		Compatible with all RKI Beacon controllers, as well as most DCS / PLC systems: Beacon 110, Beacon 200, Beacon 410A and Beacon 800, MC-6400
Warranty		1-Year warranty for electronics, and PID sensor (Two months for 11.7 eV lamp)

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